diskAshur DT®

Secure USB 3.0 Desktop Hard Drive

The world's first PIN operated desktop hard drive with built-in hardware encryption and capacities of up to 8TB.

Looking for the highest level of security for your data while utilising the fastest USB 3.0 speeds?

The iStorage diskAshur DT® military grade secure desktop hard drive with real-time XTS-AES 256-bit hardware encryption is the ultimate secure data storage system with capacities of up to 8TB. The diskAshur DT is FIPS PUB 197 validated and seamlessly encrypts all data on the drive in real-time using 100% hardware encryption keeping your data safe even if the hard drive is removed from its enclosure.

With software free setup and operation, the diskAshur DT truly becomes platform independent and works across all operating systems including thin clients and embedded systems such as medical equipment. The diskAshur DT enables you to access the drive by simply entering your own unique 6-16 digit PIN and with super-fast USB 3.0 you can now access your data faster and more secure than ever before!

Compatible with:

Main Features

- ✔ FIPS PUB 197 Validated Encryption Algorithm
- ✔ Real-time military grade XTS-AES 256-bit hardware encryption
- ✔ No software or drivers required
- ✔ 100% hardware encryption
- ✔ OS & Platform Independent - compatible with Windows, Mac, Linux, Android, Thin Clients & Embedded Systems
- ✔ Brute Force Hack Defence Mechanism
- ✔ Self Destruct Feature
- ✔ Data at Rest Protection
- ✔ PINs and encryption keys are always encrypted while at rest
- ✔ Supports Admin PIN and 5 unique User PINs 6-16 digit in length
- ✔ Super Speed USB 3.0 with integrated cable
- ✔ Variable Time Circuit Technology
- ✔ Wear Resistant Keypad
- ✔ Auto Lock Feature
- ✔ Drive Reset Feature
- ✔ No admin rights needed
- ✔ Capacities of 1, 2, 3, 4, 6 & 8TB
- ✔ 2 Year Warranty

Why choose the diskAshur DT®?

Did you know that millions of external data storage devices are lost or stolen every year and this figure is constantly on the rise. Have you ever considered the impact of losing your non-encrypted USB hard drive? Your data would be at the mercy of anyone who stumbles across it. New and enhanced legislation is a global issue that demands strong protection of specific data categories. Nowadays, most international data protection acts demand adequate protection of personally identifiable information (PII).

Government bodies the world over are very clear in advising businesses and institutional organisations to encrypt all data that workers access. Data which is encrypted and is lost or stolen is not vulnerable to compromise.

Loss of confidential data can have a devastating effect on both businesses and consumers. It could lead to a hefty fine, the downfall of a business, embarrassment, job losses and adverse media attention.

Request your FREE 30 day evaluation

iStorage products are used extensively by Government Departments, Defence Departments, educational institutions, local/central government, energy/utility companies, financial institutes as well as countless leading multi-national organisations.

To find out why such companies trust iStorage with their valuable and sensitive data, request a no-obligation product evaluation from iStorage.

Please email evaluation@istorage-uk.com or call +44 (0) 20 8991 6260 for your free 30 day evaluation.

iStorage®
SECURING THE MAINSTREAM

Technical Specifications	
Capacity	1TB, 2TB, 3TB, 4TB, 6TB & 8TB
RPM	7200
Buffer Size	8MB
Power Supply	12V AC Adapter
Dimensions (W, D, H)	182.88 mm x 114.3 mm x 38.1 mm
Weight	1160 grams approx. (based on a 3TB drive, other capacities may vary)
Approvals	FIPS PUB 197 Validated, FCC CE, ROHS, WEEE
Interface	USB 3.0 - Up to 5Gbps
Hardware	USB 3.0 - Backward compatible with USB 2.0/1.1
Operating System Compatibility	Windows, Mac, Linux, Thin Clients, Android & Embedded Systems
Hardware Data Encryption	XTS-AES 256-bit
Warranty	2 Years
iStorage Part Number	IS-DA-256-xxxx (x = Capacity)
Box Contents	Drive, Universal Mains Adapter, USB cable & QSG (Quick Start Guide)

Brute Force Hack Defence Mechanism:

The iStorage diskAshur DT uses a three pronged approach to protect against a Brute Force attack. The first step is to deny access to the drive until the drive can verify the user PIN. After several incorrect attempts the drive will lock itself, requiring the drive to be plugged in again to input a PIN. This feature blocks automated attempts to enter PIN numbers. Lastly, after a predetermined number of failed PIN entries, the diskAshur DT assumes it is being attacked and will destroy the encryption key and lock itself, rendering the data useless and requiring a total reset to redeploy the diskAshur DT.

Self Destruct Feature:

You can pre-program the diskAshur DT with your own unique Self Destruct PIN which, once implemented, instantly destroys all PINs, data and creates a new encryption key.

Variable Timing Circuit Technology:

Protection against hacker attempts doesn't stop with Brute Force. Incorporated into the diskAshur DT electronics is iStorage's Variable Time Circuit (VTC) technology, working to thwart "timing attacks" aimed at accessing the drive by studying the behaviour and infiltrating the diskAshur DT's electronics.

Sealed from Physical Attacks by Tough Epoxy Coating:

In addition to encrypting all of the PINs, data and the encryption key itself, the diskAshur DT adds another barrier between your data and a hacker. The encryption chip and circuitry of the diskAshur DT are completely protected by a super tough epoxy compound, which is virtually impossible to remove without causing permanent damage to the electronics. This barrier prevents a potential hacker from accessing the crypto module and launching a variety of potential attacks.

Wear Resistant Keypad

Designed with protection in mind, the diskAshur DT's wear resistant keypad hides key usage to avoid tipping off a potential hacker to commonly used keys.

Auto Lock Feature:

Set the unattended drive to lock after a pre-determined amount of time.

Enclosure:

High quality aluminium, heat dissipating enclosure.

The iStorage Product Range - Innovative data security solutions

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